

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of the Claims:**

Claims 1-96: (canceled)

Claim 97 (new): An isolated human collectin polypeptide consisting of from the 226th amino acid to the 547<sup>th</sup> amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 98 (new): An isolated human collectin polypeptide that is encoded by a polynucleotide which hybridizes to a polynucleotide complementary to nucleotides 730-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS, wherein the polypeptide comprises a Ca<sup>2+</sup>-dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 99 (new): An isolated human collectin polypeptide according to Claim 98 comprising amino acids 226-547 of SEQ ID NO:2, wherein one or more amino acids is deleted, substituted, or added.

Claim 100 (new): An isolated polynucleotide consisting of from the 730th nucleotide to the 1695th nucleotide in the nucleotide sequence of SEQ ID NO:1.

Claim 101 (new): An isolated polynucleotide comprising a nucleotide sequence which hybridizes to a polynucleotide complementary to nucleotides 730-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS; wherein the polynucleotide encodes a collectin comprising a Ca<sup>2+</sup>-dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 102 (new): An isolated human collectin polypeptide consisting of from the 229th amino acid to the 547<sup>th</sup> amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 103 (new): An isolated human collectin polypeptide that is encoded by a polynucleotide which hybridizes to a polynucleotide complementary to nucleotides 739-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS, wherein the polypeptide comprises a  $\text{Ca}^{2+}$ -dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 104 (new): An isolated human collectin polypeptide according to Claim 103 comprising amino acids 229-547 of SEQ ID NO:2, wherein one or more amino acids is deleted, substituted, or added.

Claim 105 (new): An isolated polynucleotide consisting of from the 739th nucleotide to the 1695th nucleotide in the nucleotide sequence of SEQ ID NO:1.

Claim 106 (new): An isolated polynucleotide comprising a nucleotide sequence which hybridizes to a polynucleotide complementary to nucleotides 739-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS; wherein the polynucleotide encodes a collectin comprising a  $\text{Ca}^{2+}$ -dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 107 (new): An isolated human collectin polypeptide consisting of from the 229th amino acid to the 547<sup>th</sup> amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 108 (new): An isolated human collectin polypeptide that is encoded by a polynucleotide which hybridizes to a polynucleotide complementary to nucleotides 739-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS, wherein the polypeptide comprises a  $\text{Ca}^{2+}$ -dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 109 (new) An isolated human collectin polypeptide according to Claim 108 comprising amino acids 206-547 of SEQ ID NO:2, wherein one or more amino acids is deleted, substituted, or added.

Claim 110 (new): An isolated polynucleotide consisting of from the 670th nucleotide to the 1695th nucleotide in the nucleotide sequence of SEQ ID NO:1.

Claim 111 (new): An isolated polynucleotide comprising a nucleotide sequence which hybridizes to a polynucleotide complementary to nucleotides 670-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS; wherein the polynucleotide encodes a collectin comprising a  $\text{Ca}^{2+}$ -dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 112 (new): An isolated human collectin polypeptide consisting of from the 211th amino acid to the 547<sup>th</sup> amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 113 (new): An isolated human collectin polypeptide that is encoded by a polynucleotide which hybridizes to a polynucleotide complementary to nucleotides 685-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS, wherein the polypeptide comprises a  $\text{Ca}^{2+}$ -dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 114 (new): An isolated human collectin polypeptide according to Claim 113 comprising amino acids 211-547 of SEQ ID NO:2, wherein one or more amino acids is deleted, substituted, or added.

Claim 115 (new): An isolated polynucleotide consisting of from the 685th nucleotide to the 1695th nucleotide in the nucleotide sequence of SEQ ID NO:1.

Claim 116 (new): An isolated polynucleotide comprising a nucleotide sequence which hybridizes to a polynucleotide complementary to nucleotides 685-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine

and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS; wherein the polynucleotide encodes a collectin comprising a Ca<sup>2+</sup>-dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 117 (new): An isolated human collectin polypeptide consisting of from the 102nd amino acid to the 547<sup>th</sup> amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 118 (new): An isolated human collectin polypeptide that is encoded by a polynucleotide which hybridizes to a polynucleotide complementary to nucleotides 358-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS, wherein the polypeptide comprises a Ca<sup>2+</sup>-dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 119 (new): An isolated human collectin polypeptide according to Claim 118 comprising amino acids 102-547 of SEQ ID NO:2, wherein one or more amino acids is deleted, substituted, or added.

Claim 120 (new): An isolated polynucleotide which is consisting of from 358th nucleotide to 1695th nucleotide in the nucleotide sequence of SEQ ID NO:1.

Claim 121 (new): An isolated polynucleotide comprising a nucleotide sequence which hybridizes to a polynucleotide complementary to nucleotides 358-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS; wherein the polynucleotide encodes a collectin comprising a Ca<sup>2+</sup>-dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 122 (new): An isolated human collectin polypeptide consisting of from the 91st amino acid to the 547<sup>th</sup> amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 123 (new): An isolated human collectin polypeptide that is encoded by a polynucleotide which hybridizes to a polynucleotide complementary to nucleotides 325-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl

sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS, wherein the polypeptide comprises a  $\text{Ca}^{2+}$ -dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 124 (new): An isolated human collectin polypeptide according to Claim 123 comprising amino acids 91-547 of SEQ ID NO:2, wherein one or more amino acids is deleted, substituted, or added.

Claim 125 (new): An isolated polynucleotide consisting of from the 325th nucleotide to the 1695th nucleotide in the nucleotide sequence of SEQ ID NO:1.

Claim 126 (new): An isolated polynucleotide comprising a nucleotide sequence which hybridizes to a polynucleotide complementary to nucleotides 325-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS; wherein the polynucleotide encodes a collectin comprising a  $\text{Ca}^{2+}$ -dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 127 (new): An isolated human collectin polypeptide consisting of from the 9th amino acid to the 547<sup>th</sup> amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 128 (new): An isolated human collectin polypeptide that is encoded by a polynucleotide which hybridizes to a polynucleotide complementary to nucleotides 79-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS, wherein the polypeptide comprises a  $\text{Ca}^{2+}$ -dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 129 (new): An isolated human collectin polypeptide according to Claim 98 comprising amino acids 9-547 of SEQ ID NO:2, wherein one or more amino acids is deleted, substituted, or added.

Claim 130 (new): An isolated polynucleotide consisting of from the 79th nucleotide to the 1695th nucleotide in the nucleotide sequence of SEQ ID NO:1.

Claim 131 (new): An isolated polynucleotide comprising a nucleotide sequence which hybridizes to a polynucleotide complementary to nucleotides 79-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS; wherein the polynucleotide encodes a collectin comprising a  $\text{Ca}^{2+}$ -dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 132 (new): An isolated human collectin polypeptide consisting of from the 1st amino acid to the 547<sup>th</sup> amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 133 (new): An isolated human collectin polypeptide that is encoded by a polynucleotide which hybridizes to a polynucleotide complementary to nucleotides 1-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS, wherein the polypeptide comprises a  $\text{Ca}^{2+}$ -dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 134 (new): An isolated human collectin polypeptide according to Claim 133 comprising amino acids 1-547 of SEQ ID NO:2, wherein one or more amino acids is deleted, substituted, or added.

Claim 135 (new): An isolated polynucleotide consisting of from the 1st nucleotide to the 1695th nucleotide in the nucleotide sequence of SEQ ID NO:1.

Claim 136 (new): An isolated polynucleotide comprising a nucleotide sequence which hybridizes to a polynucleotide complementary to nucleotides 1-1695 of SEQ ID NO: 1 under the following hybridization conditions: hybridization at 55°C in a hybridization solution comprising 5 X SSC, 1% blocking agent, 0.1% N-lauroyl sarcosine and 0.02% SDS; and washing at 55°C in a wash solution comprising 2 X SSC/0.1% SDS; wherein the polynucleotide encodes a collectin comprising a  $\text{Ca}^{2+}$ -dependent carbohydrate recognition domain (CRD) and a collagen-like region.

Claim 137 (new): A vector wherein the polynucleotide according to Claim 99 is inserted for expression of the polypeptide consisting of from the 206th amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 138 (new): A vector wherein the polynucleotide according to Claim 104 is inserted for expression of the polypeptide consisting of from the 229th amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 139 (new): A vector wherein the polynucleotide according to Claim 109 is inserted for expression of the polypeptide consisting of from the 226th amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 140 (new): A vector wherein the polynucleotide according to Claim 114 is inserted for expression of the polypeptide consisting of from the 211th amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 141 (new): A vector wherein the polynucleotide according to Claim 119 is inserted for expression of the polypeptide consisting of from the 102nd amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 142 (new): A vector wherein the polynucleotide according to Claim 124 is inserted for expression of the polypeptide consisting of from the 91st amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 143 (new): A vector wherein the polynucleotide according to Claim 129 is inserted for expression of the polypeptide consisting of from the 9th amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 144 (new): A vector wherein the polynucleotide according to Claim 134 is inserted for expression of the polypeptide consisting of from the 1st amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 145 (new): A host cell wherein the vector according to Claim 137 is inserted for expression of the polypeptide consisting of from the 206th amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 146 (new): A host cell wherein the vector according to Claim 138 is inserted for expression of the polypeptide consisting of from the 229th amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 147 (new): A host cell wherein the vector according to Claim 139 is inserted for expression of the polypeptide consisting of from the 226th amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 148 (new): A host cell wherein the vector according to Claim 140 is inserted for expression of the polypeptide consisting of from the 211th amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 149 (new): A host cell wherein the vector according to Claim 141 is inserted for expression of the polypeptide consisting of from the 102nd amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 150 (new): A host cell wherein the vector according to Claim 142 is inserted for expression of the polypeptide consisting of from the 91st amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 151 (new): A host cell wherein the vector according to Claim 143 is inserted for expression of the polypeptide consisting of from the 9th amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 152 (new): A host cell wherein the vector according to Claim 144 is inserted for expression of the polypeptide consisting of from the 1st amino acid to the 547th amino acid in the amino acid sequence of SEQ ID NO:2.

Claim 153 (new): A probe for screening for a collectin homologue consisting of the polynucleotide according to Claim 98.

Claim 154 (new): An isolated polynucleotide encoding a collectin, which hybridizes with the probe according to Claim 153 that is an amplification product from a PCR reaction performed using primers consisting of the nucleotide sequences of caatctgatgagaaggtgatg (SEQ ID NO:4) and acgaggggctggatgggacat (SEQ ID NO:5).

Claim 155 (new): A transgenic mouse wherein the polynucleotide according to Claim 105 is stably integrated into a chromosome of the mouse, wherein the mouse expresses



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the polynucleotide consisting of from the 229<sup>th</sup> amino acid to the 547<sup>th</sup> amino acid in the amino acid sequence of SEQ ID NO: 2.